LIST OF CONTENTS

Vol. 20B, No. 1, February 1986

Fred L. Mannering	1	A note on endogenous variables in household vehicle utilization equations
N. S. A. Ghoneim and **S. C. Wirasinghe**	7	Optimum zone structure during peak periods for existing urban rail lines
Åsa Hallefjord and **Kurt Jörnsten**	19	Gravity models with multiple objectives—Theory and applications
Herman B. Leonard and **William B. Tye**	41	A technical note on the derivation of the Bayesian-Ramsey pricing rule
Wayne K. Talley	49	A rule for allocating joint truck-carrier costs
O. Adebisi	59	A mathematical model for headway variance of fixed-route buses
		Short Notes and Research Communications
Britton Harris	71	A continuous dual method for the Hitchcock problem
Brian E. Sullivan	76	The determinants of light-rail transit demand: A comment on the paper by Gordon and Willson
Peter Gordon and **Richard Willson**	77	The determinants of light-rail transit demand: A reply
Brian E. Sullivan	77	The determinants of light-rail transit demand: A rejoinder
Anna Nagurney	78	Computational comparisons of algorithms for general asymmetric traffic equilibrium problems with fixed and elastic demands
	84	Forthcoming papers

Vol. 20B, No. 2, April 1986

Michael J. Wills	89	A flexible gravity-opportunities model for trip distribution
Michael J. Wills	113	A generalised extreme value model admitting substitution and complementarity between alternatives
T. Hyde and **C. C. Wright**	125	Extreme value methods for estimating road traffic capacity
Patrick T. Harker and **Terry L. Friesz**	139	Prediction of intercity freight flows, I: Theory
Patrick T. Harker and **Terry L. Friesz**	155	Prediction of intercity freight flows, II: Mathematical Formulations

Short Notes and Research Communications

Derek Graham and **Henry L. W. Nuttle** 175 A comparison of heuristics for a school bus scheduling problem

183 Forthcoming papers

Vol. 20B, No. 3, June 1986

R. M. Kimber and **P. N. Daly** 187 Time-dependent queueing at road junctions: observation and prediction

Frank S. Koppelman and **Chester G. Wilmot** 205 The effect of omission of variables on choice model transferability

Rodney Vaughan 215 Optimum polar networks for an urban bus system with a many-to-many travel demand

Teodor G. Crainic and **Jean-Marc Rousseau** 225 Multicommodity, multimode freight transportation: a general modeling and algorithmic framework for the service network design problem

Jang-Jei Jaw, **Amedeo R. Odoni**, **Harilaos N. Psaraftis**, and **Nigel H. M. Wilson** 243 A Heuristic algorithm for the multi-vehicle advance request dial-a-ride problem with time windows

Short Notes and Research Communications

Larry J. LeBlanc and **David E. Boyce** 259 A bilevel programming algorithm for exact solution of the network design problem with user-optimal flows

267 Forthcoming papers

Vol. 20B, No. 4, August 1986

S. M. Macgill and **T. Springer** 271 Q-analysis and transport: A false start?

J. R. Weaver and **R. L. Church** 283 A location model based on multiple metrics and multiple facility assignment

H. S. Mahmassani and **G.-L. Chang** 297 Experiments with departure time choice dynamics of urban commuters

F. S. Koppelman and **E. I. Pas** 321 Multidimensional choice model transferability

A. Ceder and **N. H. M. Wilson** 331 Bus network design

I Forthcoming papers

Vol. 20B, No. 5, October 1986

Gordon F. Newell and **Carlos F. Daganzo** 345 Design of multiple-vehicle delivery tours—I A ring-radial network

Gordon F. Newell and **Carlos F. Daganzo** 365 Design of multiple vehicle delivery tours—II Other metrics

Gordon F. Newell 377 Design of multiple-vehicle delivery tours—III Valuable goods

Norbert Oppenheim 391 Dynamic forecasting of urban shopping travel demand

P. G. Gipps 403 A model for the structure of lane-changing decisions

Stephen L. M. Hockaday and **Alypios Chatziioanou** 415 An analytical method for aircraft collision risk estimation

Short Notes and Research Communications

D. A. Hensher 429 Automobile-type choice: A note on alternative specifications for discrete-choice modelling

I Forthcoming papers

Vol. 20B, No. 6, December 1986

B. G. Heydecker 435 On the definition of traffic equilibrium

E. A. Catchpole and **A. W. Plank** 441 The capacity of a priority intersection

R. M. Kimber, **I. Summersgill** and **I. J. Burrow** 457 Delay processes at unsignalised junctions: The interrelation between geometric and queueing delay

Warren B. Powell and **Hugo P. Simão** 477 Numerical simulation of transient bulk queues with general vehicle dispatching strategies

Attahiru Sule Alfa 491 A review of models for the temporal distribution of peak traffic demand

I Forthcoming Papers

V Volume 20 Contents and Author Index